

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Yojiro MATSUEDA

Group Art Unit: 2674

Application No.: 09/868,322

Examiner: J. NGUYEN

Filed: June 18, 2001

Docket No.: 109503

For: DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution (e.g., Quayle Action), but before payment of the Issue Fee. Attached is our Check No. 168685 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.  
37 CFR §1.97(e)(1).
- 2. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
- 3. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

- 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- 5. English language Abstracts of the non-English language references are attached hereto.
- 6. Other. Ref. #1 corresponds to U.S. Patent Application Publication No. US 2002/0145602 A1 cited on the European Search Report.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

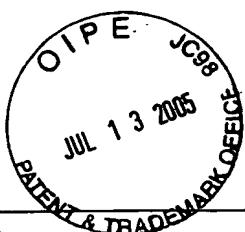
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Sheet 1 of 1

| Form PTO-1449<br>(REV. 8-83)  |    | US Dept. of Commerce<br>PATENT & TRADEMARK OFFICE   |            | ATTY DOCKET NO.<br>109503    | APPLICATION NO.<br>09/868,322 |       |           |
|---|----|---|------------|------------------------------|-------------------------------|-------|-----------|
| INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary)   |    |   |            | APPLICANT<br>Yojiro MATSUEDA |                               |       |           |
|   |    |   |            | FILING DATE<br>June 18, 2001 | GROUP<br>2674                 |       |           |
| U.S. PATENT DOCUMENTS   |    |   |            |                              |                               |       |           |
| EXAMINER INITIAL  |    | DOCUMENT NUMBER   | DATE       | NAME                         |                               | CLASS | SUB CLASS |
|   | 1  | 6,873,312 B2  | 03-29-2005 | Matsueda                     |                               |       |           |
|   | 2  | 6,025,822   | 02-15-2000 | Motegi et al.                |                               |       |           |
|   | 3  | 5,815,136   | 09-29-1998 | Ikeda et al.                 |                               |       |           |
| FOREIGN PATENT DOCUMENTS  |    |   |            |                              |                               |       |           |
|   |    | DOCUMENT NUMBER   | DATE       | COUNTRY                      |                               | CLASS | SUB CLASS |
|   | 4  | EP 0456394 A2   | 11-13-1991 | Europe                       |                               |       |           |
|   | 5  | EP 0488851 A1 w/ English Abstract   | 06-03-1992 | Europe                       |                               |       |           |
|   | 6  | EP 0286309 A2   | 10-12-1988 | Europe                       |                               |       |           |
|   | 7  | JP-A-11-058065 w/ English Abstract  | 03-02-1999 | Japan                        |                               |       |           |
|   | 8  | JP-A-08-227283 w/ English Abstract  | 09-03-1996 | Japan                        |                               |       |           |
|   | 9  | JP-A-281636 w/ English Abstract   | 10-27-1995 | Japan                        |                               |       |           |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)  |    |   |            |                              |                               |       |           |
|   | 10 | R. Abbott et al., "Equipping a Line of Memories With Spare Cells," Electronics, VNU Business Publications, vol. 54, no. 15, pgs. 127-130, July 1981 |            |                              |                               |       |           |
|   |    |   |            |                              |                               |       |           |
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|   |    |   |            |                              |                               |       |           |
| EXAMINER  |    |   |            |                              | DATE CONSIDERED               |       |           |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |   |            |                              |                               |       |           |